

U.S.S.N.: 08/126,505

Filed: September 24, 1993

Preliminary Amendment, Response to Notice to Comply With  
Requirements for Patent Applications Containing Nucleotide and/or  
Amino Acid Sequence Disclosures and Declaration under 37 C.F.R. §  
1.821(f)

Please preliminarily amend the application as follows:

**In the Specification**

On page 5, line 25, please insert --(Sequence ID Nos. 1  
and 3)-- after "SCRs 1-2".

On page 5, line 25, please insert --(Sequence ID Nos. 2  
and 4)-- after "SCRs 8-9".

On page 10, line 31, please insert --(Sequence ID Nos.  
1 and 2, respectively)-- after "SCR-8".

On page 10, line 32, please insert --(Sequence ID Nos.  
3 and 4, respectively)-- after "SCR-9".

On page 29, line 26, please insert --(Sequence ID No.  
1)-- after "SCR-1".

On page 29, line 26, please insert --(Sequence ID No.  
3)-- after "SCR-2".

On page 29, line 27, please insert --(Sequence ID No.  
2)-- after "SCR-8".

On page 29, line 27, please insert --(Sequence ID No.  
4)-- after "SCR-9".

On page 14, line 35, please insert --(amino acids 49-61  
of Sequence ID No. 4)-- after "N-A-A-H-W-S-T-K-P-P-I-C-Q"

U.S.S.N.: 08/126,505

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1.821(f)

On page 15, line 5, please insert --(amino acids 49-61  
of Sequence ID No. 3)-- after "I-W-D-N-E-T-P-I-C-D".

On page 31, line 10, please insert --(amino acid 35 of  
Sequence ID Nos. 1 and 2, respectively)-- after "G->E".

On page 31, line 10, please insert --(amino acid 37 of  
Sequence ID Nos. 1 and 2, respectively)-- after "S->Y".

On page 31, line 11, please insert --(amino acid 35 of  
Sequence ID Nos. 1 and 2, respectively)-- after "G->E".

On page 31, line 12, please insert --(amino acid 37 of  
Sequence ID Nos. 1 and 2, respectively)-- after "S->Y".

On page 31, line 13, please insert --(amino acids 44,  
47 and 49 of Sequence ID Nos. 1 and 2, respectively)-- after "44,  
47, 49: I...K...S->T...D...L".

On page 31, line 14, please insert --(amino acids 52-54  
of Sequence ID Nos. 1 and 2, respectively)-- after  
"52->54:T-G-A->S-S-P".

On page 31, line 15, please insert --(amino acids 57,59  
of Sequence ID Nos. 1 and 2, respectively)-- after  
"57,59:R...R->V...K".

On page 31, line 16, please insert --(amino acids 4,5  
of Sequence ID Nos. 3 and 4, respectively)-- after  
"64,65:R-N->K-T".

U.S.S.N.: 08/126,505

Filed: September 24, 1993

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Amino Acid Sequence Disclosures and Declaration under 37 C.F.R. §  
1.821(f)

✓ On page 31, line 17, please insert --(amino acid 4 of  
Sequence ID Nos. 3 and 4, respectively)-- after "64:R->K".

✓ On page 31, line 18, please insert --(amino acid 5 of  
Sequence ID Nos. 3 and 4, respectively)-- after "65:N->T".

✓ On page 31, line 19, please insert --(amino acids 18,19  
of Sequence ID Nos. 3 and 4, respectively)-- after "78,79:K-G->T-  
D".

✓ On page 32, line 4, please insert --(amino acid 19 of  
Sequence ID Nos. 3 and 4, respectively)-- after "79:G->D".

✓ On page 32, line 5, please delete "39:" and insert  
--79:-- in place thereof.

✓ On page 32, line 5, please insert --(amino acid 37 of  
Sequence ID Nos. 1 and 2, and amino acid 19 of Sequence ID Nos. 3  
and 4, respectively)-- after "37, 79:S->Y; G->D".

✓ On page 32, line 6, please insert --(amino acids 25,27  
of Sequence ID Nos. 3 and 4)-- after "85,87:Q...K->R...N".

✓ On page 32, line 7, please insert --(amino acids 32 and  
34 of Sequence ID Nos. 3 and 4, respectively)-- after  
"92,94:K...Y->T...H"

✓ On page 32, line 8, please insert --(amino acid 32 of  
Sequence ID Nos. 3 and 4, respectively)-- after "92:K->T".

U.S.S.N.: 08/126,505

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1.821(f)

✓ On page 32, line 9, please insert --(amino acid 34 of  
Sequence ID Nos. 3 and 4, respectively)-- after "94:Y->H".

✓ On page 32, line 10, please insert --(amino acids 39  
and 43 of Sequence ID Nos. 3 and 4, respectively)-- after "99,  
103:S...T->H...E".

✓ On page 32, line 11, please insert --(amino acids 49-52  
of Sequence ID Nos. 3 and 4, respectively)-- after "109-112:D-T-  
V-I->N-A-A-H".

✓ On page 32, line 14, please insert --(amino acids 49-52  
of Sequence ID Nos. 3 and 4, respectively; amino acids 54-61 of  
Sequence ID Nos. 3 and 4, respectively)-- after "->S-T-K-P...Q".

✓ On page 32, line 16, please insert --(amino acids 54-61  
of Sequence ID Nos. 3 and 4, respectively)-- after "S-T-K-P...Q".

✓ On page 32, line 17, please insert --(amino acid 54 of  
Sequence ID Nos. 3 and 4, respectively)-- after "114:D->S".

✓ On page 32, line 18, please insert --(amino acid 55 of  
Sequence ID Nos. 3 and 4, respectively)-- after "115:N->T".

On page 32, line 19, please insert --(amino acid 56 of  
A-6 Sequence ID Nos. 3 and 4, respectively)-- after "116:E->K".

On page 32, line 20, please insert --(amino acid 57 of  
A-7 Sequence ID Nos. 3 and 4, respectively)-- after "117:T->P".

U.S.S.N.: 08/126,505

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On page 33, line 4, please insert --(amino acids 56 and

A-8 57 of Sequence ID Nos. 3 and 4, respectively)-- after "116,  
117:E-T->K-P".

On page 33, line 5, please insert --(amino acid 61 of

A-9 Sequence ID Nos. 3 and 4, respectively)-- after "121:D->Q".

On page 33, line 7, please insert --(amino acids 54-61

A-10 of Sequence ID Nos. 3 and 4, respectively)-- after "D-N-E-T...D-  
>S-T-K-P...Q".

On page 33, line 8, please insert --(amino acids 1-3 of

A-11 Sequence ID Nos. 1 and 2, respectively)-- after  
"1,3:Q...N->H...Q".

On page 33, line 9, please insert --(amino acids 6-9 of

A-12 Sequence ID Nos. 1 and 2, respectively)-- after "6-9:E-W-L-P->D-  
H-F-L".

On page 33, line 11, please insert --(amino acids 12-16

A-13 and 18-21 of Sequence ID Nos. 1 and 2, respectively)-- after "D-  
E-F-E->K-L-K-T-Q...N-A-S-D".

On page 33, line 12, please insert --(amino acids 27

A-14 and 29 of Sequence ID Nos. 1 and 2, respectively)-- after "Y...N-  
>S...K".

On page 34, line 5, please insert --(amino acids 54-61

A-15 of Sequence ID No. 4)-- after "S-T-K-P-(P-I-C)-Q".

U.S.S.N.: 08/126,505

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1.821(f)

On page 34, line 5, please insert /--(Sequence ID No.

A-16 3)-- after "SCR-2".

On page 34, line 6, please insert /--(Sequence ID No.

A-17 1)-- after "SCR-1".

On page 34, line 8, please insert /--(Sequence ID No.

A-18 3)-- after "SCR-2".

On page 34, line 9, please insert /--(Sequence ID No.

A-19 1)-- after "SCR-1".

On page 34, line 10, please insert /--(Sequence ID No.

A-20 3)-- after "SCR-2".

On page 34, line 31, please insert /--Sequence ID Nos. 1

A-21 and 3, respectively)-- after "SCRs 1-2".

On page 34, line 31, please insert /--Sequence ID Nos. 2

A-22 and 4, respectively)-- after "SCRs 8-9".

On page 34, line 33, please insert /--Sequence ID Nos. 1

A-23 and 3, respectively)-- after "SCRs 1-2".

On page 34, line 34, please insert /--Sequence ID Nos. 2

A-24 and 4, respectively)-- after "SCRs 8-9".

On page 35, line 9, please insert /--amino acid 35 of

A-25 Sequence ID No. 1)-- after "G".

On page 35, line 10, please insert /--amino acids 4-5 of

A-26 Sequence ID No. 3)-- after "R-N".

U.S.S.N.: 08/126,505

Filed: September 24, 1993

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Requirements for Patent Applications Containing Nucleotide and/or  
Amino Acid Sequence Disclosures and Declaration under 37 C.F.R. §  
1.821(f)

On page 35, line 11, please insert --amino acid 34 of

A-27 Sequence ID No. 3) -- after "Y".

On page 35, line 12, please insert --(amino acids 49-52

A-28 of Sequence ID No. 4) -- after "N-A-A-H".

On page 35, line 13, please insert --(amino acids 54-61

A-29 of Sequence ID No. 4) -- after "S-T-K-P-P-I-C-Q".

On page 35, line 14, please insert --(amino acids 49-61

A-30 of Sequence ID No. 4) -- after "N-A-A-H-W-S-T-K-P-P-I-C-Q".

On page 35, line 15, please insert --(amino acid 32 of

A-31 Sequence ID No. 4) -- after "T".

On page 35, line 16, please insert --(amino acid 19 of

A-32 Sequence ID No. 4) -- after "D".

On page 35, line 17, please insert --(amino acids 12-16

A-33 of Sequence ID No. 2) -- after "K-L-K-T-Q".

On page 35, line 18, please insert --(amino acids 18-21

A-34 of Sequence ID No. 2) -- after "N-A-S-D".

On page 35, line 19, please insert --(amino acids 12-21

A-35 of Sequence ID No. 2) -- after "K-L-K-T-Q-T-N-A-S-D".

On page 35, line 20, please insert --(amino acids 27-29

A-36 of Sequence ID No. 2) -- after "S-L-K".

On page 36, line 14, please insert --(Sequence ID Nos.

A-37 1 and 3) -- after "SCRs 1-2".

U.S.S.N.: 08/126,505

Filed: September 24, 1993

Preliminary Amendment, Response to Notice to Comply With  
Requirements for Patent Applications Containing Nucleotide and/or  
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1.821(f)

On page 36, line 16, please insert/---(amino acid 32 of

A-38 Sequence ID No. 3)-- after "K".

On page 36, line 16, please insert/---(amino acid 32 of

A-39 Sequence ID No. 4)-- after "T".

On page 36, line 16, please insert/---(Sequence ID Nos.

A-40 2 and 4)-- after "SCRs 8-9".

On page 36, line 17, please insert/---(amino acid 35 of

A-41 Sequence ID No. 2)-- after "E".

On page 36, line 18, please insert/---(amino acid 35 of

A-42 Sequence ID No. 1)-- after "G".

On page 36, line 18, please insert/---(amino acid 34 of

A-43 Sequence ID No. 4)-- after "H".

On page 36, line 19, please insert/---(amino acid 34 of

A-44 Sequence ID No. 3)-- after "Y".

On page 36, line 19, please insert/---(amino acid 4 of

A-45 Sequence ID No. 4)-- after "K".

On page 36, line 20, please insert/---(amino acid 4 of

A-46 Sequence ID No. 3)-- after "R".

On page 36, line 20, please insert/---(amino acid 5 of

A-47 Sequence ID No. 4)-- after "T".

On page 36, line 21, please insert/---(amino acid 5 of

A-48 Sequence ID No. 3)-- after "N".



U.S.S.N.: 08/126,505

Filed: September 24, 1993

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Amino Acid Sequence Disclosures and Declaration under 37 C.F.R. §  
1.821(f)

A-49 On page 36, line 23, please insert --(amino acid 4 of  
Sequence ID No. 3)-- after "R".

A-50 On page 36, line 23, please insert --(amino acid 4 of  
Sequence ID No. 4)-- after "K".

A-51 On page 36, line 24, please insert --(amino acid 5 of  
Sequence ID No. 3)-- after "N".

A-52 On page 36, line 25, please insert --(amino acid 32 of  
Sequence ID No. 4)-- after "T".

A-53 On page 36, line 26, please insert --(amino acid 34 of  
Sequence ID No. 3)-- after "Y".

A-54 On page 36, line 35, please insert --(Sequence ID Nos.  
1 and 3)-- after "SCRs 1-2".

A-55 On page 37, line 1, please insert --(Sequence ID Nos. 2  
and 4)-- after "SCRs 8-9".

A-56 On page 37, line 2, please insert --(amino acids 54-61  
of Sequence ID No. 3)-- after "D-N-E-T-P-I-C-D".

A-57 On page 37, line 3, please insert --(amino acids 54-61  
of Sequence ID No. 4)-- after "S-T-K-P-P-I-C-Q".

A-58 On page 37, line 5, please insert --(Sequence ID No.  
5)-- after "D-K-K-A-P-I-C-D".

A-59 On page 37, line 6, please insert --(amino acids 54-61  
of Sequence ID No. 4)-- after "S-T-K-P-P-I-C-Q".

U.S.S.N.: 08/126,505

Filed: September 24, 1993

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1.821(f)

On page 37, line 8, please delete "S-T-K-P-P-C-Q" and  
insert --S-T-K-P-P-I-C-Q (amino acids 54-61 of Sequence ID No.

A-60 4)--in place thereof.

On page 39, line 10, please insert --(amino acid 37 of  
A-61 Sequence ID Nos. 2 and 1, respectively)--after "37:Y->S".

On page 39, line 12, please insert --(amino acids 44,  
A-62 47 and 49 of Sequence ID Nos. 2 and 1, respectively)--after  
"I...K...S".

On page 39, line 14, please insert --(amino acids 52-  
A-63 54,57,59 of Sequence ID Nos. 2 and 1, respectively)--after  
"V...K->T-G-A...R...R".

On page 39, line 16, please insert --(amino acids 18-  
A-64 19, 22 of Sequence ID Nos. 4 and 3, respectively)--after  
"T-D...V->K-G...F".

On page 39, line 17, please insert --(amino acids 25,  
A-65 27 of Sequence ID Nos. 4 and 3, respectively)--after  
"85,87:R...N->Q...K".

On page 39, line 18, please insert --(amino acids 32-34  
A-66 of Sequence ID Nos. 4 and 3, respectively)--after  
"92,94:T...H->K...Y".

On page 39, line 20, please insert --(amino acids 39,43  
A-67 and 46 of Sequence ID Nos. 4 and 3, respectively)--after

U.S.S.N.: 08/126,505

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1.821(f)

"->S...T...I".

On page 39, line 22, please insert --(amino acids 49-52

A-68 of Sequence ID Nos. 4 and 3, respectively) -- after "D-T-V-I".

On page 39, line 23, please insert --(amino acid 50 of

A-69 Sequence ID Nos. 4 and 3, respectively) -- after "110:A->T".

On page 40, line 4, please insert --(amino acid 51 of

A-70 Sequence ID Nos. 4 and 3, respectively) -- after "111:A->V".

On page 40, line 5, please insert --(amino acid 52 of

A-71 Sequence ID Nos. 4 and 3, respectively) -- after "112:H->I".

On page 40, line 6, please insert --(amino acid 49 of

A-72 Sequence ID Nos. 4 and 3, respectively) -- after "109:N->D".

On page 40, line 9, please insert --(amino acids 54-57,

A-73 61 of Sequence ID Nos. 4 and 3, respectively) -- after "D-N-E-  
T...D".

On page 40, line 10, please insert --(amino acid 54 of

A-74 Sequence ID Nos. 4 and 3, respectively) -- after "114:S->D".

On page 40, line 11, please insert --(amino acid 55 of

A-75 Sequence ID Nos. 4 and 3, respectively) -- after "115:T->N".

On page 40, line 12, please insert --(amino acid 61 of

A-76 Sequence ID Nos. 4 and 3, respectively) -- after "121:Q->D".

On page 40, line 13, please insert --(amino acid 56 of

A-77 Sequence ID Nos. 4 and 3, respectively) -- after "116:K->E".

U.S.S.N.: 08/126,505

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1.821(f)

On page 40, line 14, please insert/---(amino acid 57 of

A-78 Sequence ID Nos. 4 and 3, respectively)---after "117:P->T".

On page 40, line 17, please insert/---(amino acids 49-

A-79 52, 54-57, 61 of Sequence ID Nos. 4 and 3, respectively)---after  
"D-T-V-I...D-N-E-T...D".

On page 40, line 18, please insert/---(amino acids 1 and

A-80 3 of Sequence ID Nos. 2 and 1, respectively)---after  
"1,3:H...Q->Q...N".

On page 40, line 20, please insert/---(amino acids 6-9

A-81 of Sequence ID Nos. 2 and 1, respectively)---after "E-W-L-P".

On page 40, line 22, please delete "...N-A-S->R-P-T-N-  
L" and insert ---...N-A-S-D->R-P-T-N-L--- in place thereof.

On page 40, line 23, please delete "...D-E-R-E" and  
insert/---...D-E-F-E (amino acids 12-16, 18-21 of Sequence ID Nos.

A-82 2 and 1, respectively)---in place thereof.

On page 41, line 4, please insert/---(amino acids 27 and

A-83 29 of Sequence ID Nos. 2 and 1, respectively)---after  
"27,29:S...K->Y...N".

On page 41, line 7, please insert/---(amino acid 35 of

Sequence ID Nos. 2 and 1, amino acids 4-5 and 34 of Sequence ID

A-84 Nos. 4 and 3, respectively)---after "G...R-N...Y".

U.S.S.N.: 08/126,505

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1.821(f)

On page 41, line 13, please insert --(Sequence ID No.

A-85 11)-- after "L-C-A-A-H-P-R-E-T-G-A-L-Q-P-P-H-V-K".

On page 42, line 24, please insert --(Sequence ID No.

6)-- after "S-D-P-L-P-E-C-R".

On page 42, line 24, please insert --(amino acids 54-61

A-86 of Sequence ID No. 4)-- after "S-T-K-P-P-I-C-Q".

On page 42, line 25, please insert --(Sequence ID No.

7)-- after "S-S-V-Q".

On page 42, line 25, please insert --(amino acids 49-52

A-87 of Sequence ID No. 4)-- after "N-A-A-H".

On page 42, line 26, please insert --(Sequence ID No.

8)-- after "S-D-P-L-P-E-C-R-S-S-V-Q".

On page 42, line 27, please insert --(Sequence ID No.

9)-- after "S-T-K-P-P-I-C-Q-N-A-A-H".

On page 42, line 30, please insert --(Sequence ID No.

10)-- after "Q-P-Y-I-T-Q-N-Y".

On page 42, line 30, please insert --(amino acids 12-21

A-88 of Sequence ID No. 2)-- after "K-L-K-T-Q-T-N-A-S-D".

On page 42, line 31, please insert --(amino acids 27-29

A-89 of Sequence ID No. 2)-- after "S-L-K".

On page 42, line 32, please insert --(Sequence ID No.

6)-- after "S-D-P-L-P-E-C-R".

U.S.S.N.: 08/126,505

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On page 42, line 35, please insert --(amino acids 54-61  
of Sequence ID No. 4) -- after "S-T-K-P-P-I-C-Q".

On page 43, line 1, please insert --(amino acids 1-7 of  
Sequence ID No. 6) -- after "S-D-P-L-P-E-C".

On page 43, line 1, please insert --(amino acids 54-61  
of Sequence ID No. 4) -- after "S-T-K-P-P-I-C-Q".

On page 43, line 3, please insert --(Sequence ID Nos. 1  
and 3) -- after "SCR 1-2".

On page 43, line 4, please insert --(Sequence ID Nos. 2  
and 4) -- after "SCR 8-9".

On page 43, line 5, please insert --(amino acids 54-61  
of Sequence ID No. 4) -- after "S-T-K-P-P-I-C-Q".

On page 43, line 27, please insert --(amino acids 49-61  
of Sequence ID No. 4) -- after "N-A-A-H-W-S-T-K-P-P-I-C-Q".

On page 43, line 33, please insert --(amino acids 49-61  
of Sequence ID No. 4) -- after "S-T-K-P-P-I-C-Q".

On page 43, line 35, please insert --(amino acids 49-61  
of Sequence ID No. 4) -- after "N-A-A-H-W-S-T-K-P-P-I-C-Q".

Please insert new pages 45-53 and renumber pages 45-52

as filed as pages 54-61.